

PROJECT DESCRIPTION  
GENERAL  
THIS PROJECT INVOLVES THE RECONSTRUCTION OF AN EXISTING TRAFFIC SIGNAL WITH INSTALLATION OF A NEW MASTER/LOCAL CONTROLLER IN A BASE MOUNTED CABINET AT THE INTERSECTION OF US 40 (DUAL HWY) AND MT. AETNA ROAD WITH INSTALLATION OF TELEMETRY CABLE ALONG US 40 FROM CLEVELAND STREET TO DAY ROAD/HEBB ROAD IN WASHINGTON COUNTY.

INTERSECTION OPERATION  
THERE IS NO CHANGE TO THE INTERSECTION OPERATION.

SPECIAL NOTES  
1. THE FOLLOWING CONTACT PERSONS FOR DISTRICT #6 ARE AS FOLLOWS:

PROJECT CONTACTS:  
MR. GEORGE SMALL, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 729-8444  
MR. GEORGE FRANKENBERRY, ASSISTANT DISTRICT ENGINEER- MAINTENANCE  
PHONE: (301) 729-8457  
MR. LARRY HUMBERTSON, ASSISTANT DISTRICT ENGINEER - UTILITY  
PHONE: (301) 729-8439  
MR. RICHARD L. DAFF SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL:

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATOR.

ITEM No.	DESCRIPTION	UNITS	QUANTITY
9000	VIDEO INTERFACE EQUIPMENT	EA	1
9002	(CONT/CAB/ADD) DETECTOR AMPLIFIER 4- CH RACK MT	EA	2
9004	SHEET ALUMINUM SIGNS	SF	34
	R3-5(L) (30" X 36")	EA	1
	R3-5 MODIFIED (30" X 36")	EA	1
	R10-11B (24" X 24")	EA	2
	R3-8 MODIFIED (60" X 36")	EA	1
9086	CABINET W/ TELEMETRY (SYSTEM CAB), SIZE 6" - BASE MOUNT	EA	1
9087	CONTROLLER ASC II W/ TELEMETRY	EA	1
9088	CONTROLLER, MASTER ASC 10,000 W/TELEMETRY	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

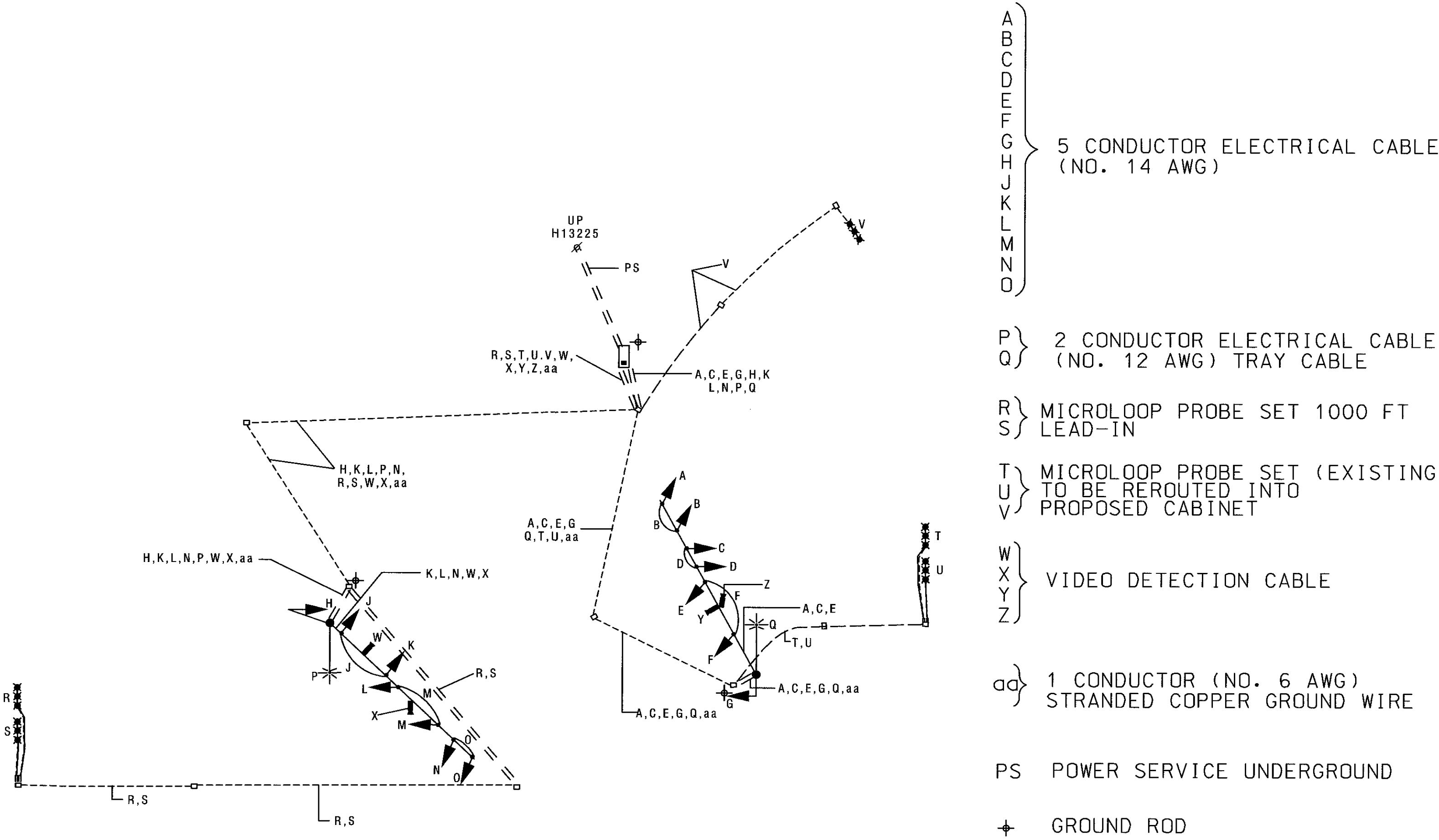
1001	MAINTENANCE OF TRAFFIC PER ASSIGNMENT	EA	1
2002	TEST PIT EXCAVATION	CY	5
8001	250' VIDEO CABLE TO CONTROLLER	EA	2
8004	ADJUST EXISTING HANDHOLE TO GRADE INCLUDING COLLAR	EA	1
8011	FURNISH AND INSTALL 12 IN VEHICLE SIGNAL HEAD SECTION	EA	42
8014	FURNISH AND INSTALL 250W HPS LUMINAIRE WITH PHOTOCCELL	EA	2
8020	FURNISH AND INSTALL 70 FT MAST AEM W/BOLTS AND HARDWARE	EA	2
8022	F&I ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLT	EA	1
8027	FURNISH AND INSTALL MICRO PROBE SET 1000 FT LEAD-IN	EA	2
8050	REMOVE AND DISPOSE FOUND 12" BELOW GRADE	EA	6
8051	REMOVE AND DISPOSE MAT. AND EQUIPMENT PER EACH PER ASSIGNMENT	EA	1
8052	VIDEO DETECTION CAMERA	EA	4
8055	4" PVC CONDUIT-BORED	LF	470
8056	4" PVC CONDUIT-TRENCHED	LF	20
8058	F&I12 PAIR COMMUNICATION CABLE, JELLYFILLED (UNDERGROUND)	LF	11000
8063	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION	CY	12
8066	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	150
8067	FURNISH AND INSTALL 1 INCH ELECTRICAL CONDUIT-GALVANIZED SLEEVE	LF	140
8069	4" PVC CONDUIT-BORED	LF	470
8072	FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED	LF	400
8073	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	25
8074	FURNISH AND INSTALL ELECTRICAL CABLE 1 CONDUCTOR NO. 4 AWG	LF	100
8076	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	60
8083	FURNISH AND INSTALL GROUND ROD- 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	3
8084	FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR (ALUMINUM SHIELDED)	LF	2000
8087	FURNISH AND INSTALL ELECTRICAL CABLE-5 CONDUCTOR (NO. 14 AWG)	LF	3250
8089	FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR (NO. 12 AWG)	LF	800
8090	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)	LF	2000
8091	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	1700
8094	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED	LF	10700
8096	INSTALL CONTROLLER AND CABINET- BASE MOUNT	EA	1

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR.  
SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

DESCRIPTION	UNITS	QUANTITY
STRAIN POLES	EA	4
POLE MOUNTED CABINET	EA	3


WIRING DIAGRAM

KEY



PHASING CHART

NO CHANGE




MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION PLAN

US 40 (DUAL HWY) AT MT. AETNA ROAD



SABRA, WANG & ASSOCIATES, INC.

1508 JOH AVENUE

SUITE 100

BALTIMORE, MD 21227

WWW.SABRA-WANG.COM

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CHECKED BY: NTS	S.H.A. NO. WASHINGTON	T.J.M.S. NO. E452	OF
SCALE: APRIL, 2002	COUNTY: 01004020.90	LOG MILE:	

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